DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
INACTIVE SHIPS ON-SITE MAINTENANCE OFFICE
93-051 WAIPIO POINT ACCESS ROAD
WAIPAHU, HI 96797-3272

4780
Ser 00/042
27 Sep 19

From: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Pearl Harbor, HI 96797-3272
To: General Service Administration, GSA/FAS/3QSCA, Chief Utilization, Donation and Sales Branch, 20 North 8th Street, 10th Floor, Philadelphia, PA 19107-3191
Via: Director, Naval Sea Systems Command, Inactive Ships Office, Bldg 8Y St. Juliens Creek Annex, Portsmouth, VA 23702-5002

Subj: DISPOSAL REPORTING LETTER IX-522 (AFDB-2D)

Ref: (a) OPNAVINST 4770.5
(b) INACTSHIPOFFINST 4770.3

Encl:
(1) Radiological Survey Report
(2) Declassification Inspection Report
(3) Liquid Load Documentation Report
(4) Mercury Survey Report
(5) Refrigerant Survey Report
(6) Asbestos Survey Report
(7) Asbestos Lab Package and results
(8) PCB Survey Report
(9) PCB Sampling and Analysis Report
(10) PCB Lab Sampling and Analysis Survey Report
(11) Final Walk-through Inspection
(12) Photographs of IX-522 (AFDB-2D)

1. The following information is forwarded for use in preparation of sales invitation for the IX-522(AFDB-2D) per references (a) and (b).

a. The vessel is in the custody of NAVSEA Inactive Ships On-Site Maintenance Office (INACTSHIPMAINTO), Pearl Harbor, Hawaii and is located in Middle Loch, Pearl Harbor, Hawaii.

b. Official to be contacted by prospective bidders:

(1) Name: John B. Viloria

(2) Address: Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, 93-051 Waipio Point Access Road, Waipahu, HI 96797-3272

(3) Telephone number: (808) 471-3989

(4) Email Address: john.viloria@navy.mil

c. The IX-522 (AFDB-2D) is available for inspection by appointment only, Monday through Friday, excluding federal holidays, between the hours of 0700 and 1400. Appointments must be made at least one working day in advance.

d. It is the opinion of the custodian that the hull of IX-522 (AFDB-2D) is in fair condition. It is recommended that prospective bidders inspect the hull and make their own determination of the suitability of this vessel for usage or tow. IX-522 (AFDB-2D) is to be sold "as is where is" and the buyer is responsible for all arrangements, labor and expenses for the removal. The vessel characteristics are as follows:

(1) Builder: Mare Island Shipyard CA.

(2) Date Constructed: 1942-1944

(3) Dimensions: 256' length and 80' width

(4) Current Displacement: approximately 3350 tons

(5) Draft: approximately 7'

(6) Vessel Metallurgical Description: steel

(7) Detailed Vessel Description: IX-522 (AFDB-2D) is part of dry dock section built in 1942-1944 towed to Guam and put in service. Later towed to Subic and put in service as part of the other AFDB's for dry docking ships. The flooding alarm system will be remove by INACTSHIPMAINTO, Pearl Harbor, Hawaii prior to departure of the craft. The mooring lines and mooring wires will remain with the craft.

e. The vessel has been declassified in accordance with reference (b). The vessel's hull numbers have been obliterate.

2. The following is provided:

a. Enclosure (1) provides the Radiological Survey Report. There were no radioactive items were found onboard IX-522 (AFDB-2D). However, please include in the sales catalogue that although no radioactive items found on the craft there could be naturally occurring radiation onboard.

b. Enclosure (2) provides Declassification Inspection Report. There are no classified materials or equipment on board IX-522 (AFDB-2D.

C. Enclosure (3) provides Liquid Load Documentation Report. Water tanks were inspect and all are empty. No fixed ballast remaining onboard IX-522 (AFDB-2D)

d. Enclosure (4) provides Mercury Inventory Survey. There were no mercury applications such as switches and temperature gages with the exception of florescent lighting fixtures.

e. Enclosure (5) provides Refrigerant Survey Report. There were no equipment onboard utilizing refrigerants.

f. Enclosure (6) provides Asbestos Survey Report.

g. Enclosure (7) provides Asbestos Lab Package and results.

h. Enclosure (8) provides PCB Survey Report.

i. Enclosure (9) provides PCB Sampling and Analysis Report.

j. Enclosure (10) provides PCB Lab Report.

k. Enclosure (11) provides Final Walk-through Report.

Subj: DISPOSAL REPORTING LETTER FOR IX-522

1. Enclosure (12) provides photographs of IX-522 (AFDB-2D).

3. The IX-522 (AFDB-2D) is ready in all respects for sale.

John B. VILORIA

Copy to:
Director, Naval Sea Systems Command, (SEA 21I), 1333 Isaac Hull Avenue, Washington Navy Yard, DC 20376-2101
Director, Naval Sea Systems Command, Inactive Ships Management Office, Bldg. 8Y, St. Juliens Creek Annex, Portsmouth, VA 23702-5002

RAD. SURVEY/RADIOLOGICAL DECONTAIMINATION ACTION

Date: 9/27/2019

Hull Number: 2D Hull Name: AFDB (IX 522)

Radiac Used: IM-253D/PD Searial No: 142 Last Cal. Date: 4/24/2019

EQUIPMENT NOMENCLATURE	EQUIPMENT CHARACTERIZATION	QTY.	LOCATION	MSDS		COUNTS	ALPHA SWIPES (After Decon) (<20 dpm)		PLACE IN RADIATION STORAGE LOCKER	
				YES	NO		Item Tagged	After Removal	Yes	No
THE CRAFT IS CLEAR OF RADIOLOGICAL MATERIAL										

Ernie Scheer

ERNIE SCHEER
SURVEYOR SIGNATURE

Joseph Cooper

JOSEPH COOPER
ARSO SIGNATURE

ENCLOSURE 1

GLOBAL
A 1ST FLAGSHIP COMPANY

NAVSEA Inactive Ships
On-site Maintenance Office
93-051 Waipio Point Access Road
Waipahu, HI 96797
o: 808.471.4547
f: 808.678.8528
www.globalgovservices.com

17 September 2019

From: David Rocha, Q.A. Manager, Global A 1st Flagship Company

To: Steve Copeland, Project Manager, Global A 1st Flagship Company

Subject: DECLASSIFICATION INSPECTION OF IX-522 (AFDB-2D)

1. An inspection of IX-522 (AFDB-2D) on September 17, 2019 confirmed that there is no classified material or equipment remaining on board.

D. Rocha

cc:
100
300
File

Enclosure (2)

GLOBAL
A 1st FLAGSHIP COMPANY

NAVSEA Inactive Ships
On-site Maintenance Office
93-051 Waipio Point Access Road
Waipahu, HI 96797
o: 808.471.4547
f: 808.678.8528
www.globalgovservices.com

17 September 2019

From: David Rocha, Q.A. Manager, Global A 1st Flagship Company

To: Steve Copeland, Project Manager, Global A 1st Flagship Company

Subject: FIXED BALLAST IX-522 (AFDB-2D)

1. An inspection of IX-522 (AFDB-2D) on September 17, 2019 confirmed that there is no known fixed ballast in/on craft. All Voids or tanks are empty.

D. Rocha

cc:
100
300
File

Enclosure (3)

GLOBAL, A 1ST FLAGSHIP COMPANY
INACTSHIPMAINTO - PEARL HARBOR

DISPOSAL MERCURY SURVEY REPORT

VESSEL/CRAFT NAME AND HULL NUMBER: \IX-522 (AFDB-2D) DATE: 9/17/2019

SERIAL #	EQUIPMENT	LOCATION
	THERE ARE NO KNOWN MERCURY SOURCES ON BOARD.	
	WITH THE EXCEPTION OF FLORESCENT LIGHTING FIXTURES.	

SIGNATURE

Norman Noa

Enclosure (4)

GLOBAL, A 1ST FLAGSHIP COMPANY
INACTSHIPMAINTO - PEARL HARBOR

DISPOSAL REFRIGERANT SURVEY REPORT

VESSEL/CRAFT NAME AND HULL NUMBER: IX 522 (AFDB 2D) DATE: 9/16/2019

SERIAL #	EQUIPMENT	LOCATION
	THERE IS NO EQUIPMENT ON BOARD UTILIZING REFRIGERANTS.	

SIGNATURE

Norman Noa

Enclosure (5)

GLOBAL, A 1ST FLAGSHIP COMPANY
INACTSHIPMAINTO - PEARL HARBOR

ASBESTOS DISPOSAL SURVEY

VESSEL NAME	IX522 (AFDB)
VESSEL HULL NUMBER	2D
DATE OF SURVEY	9/18/2019
NUMBER OF DANGER SIGNS	0
NUMBER OF CAUTION SIGNS	0
TOTAL NUMBER OF SAMPLES	8
VESSEL STATUS	DISPOSAL
CUSTODIAN	INACTSHIPMAINTO PEARL HARBOR
BERTHING LOCATION	DD-2

NOTES:

1. ASBESTOS SURVEY CONDUCTED AND NO FRIABLE ASBESTOS IDENTIFIED. HOWEVER, ASBESTOS MAY BE PRESENT ON BOARD THIS VESSEL.

2. SHOULD ASBESTOS CONTAINING MATERIAL BE PRESENT ON BOARD, THEN THE PURCHASER MUST DISPOSE OF IT IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

GLOBAL, A 1ST FLAGSHIP COMPANY
INACTSHIPMAINTO - PEARL HARBOR

DISPOSAL ASBESTOS SURVERY FORM

VESSEL/CRAFT NAME AND HULL NUMBER: IX-522 (AFDB 2D) DATE: 18-Sep-19

COMPARTMENTS	FRIABLE	NON FRIABLE	N/A	NO. OF DANGER SIGNS	NO. OF CAUTION SIGNS	SAMPLE READING	REMARKS
ENTRANCE HATCH			X			<0.0056	Sample 2
ELECTRICAL STOREROOM			X				
ICE CREAM FREEZER CAGE			X				
SUPPLY			X				
PORT PASSAGEWAY AFT			X				
HEAD			X				
WORK SPACE #1			X			<0.0056	Sample 3
CO2 ROOM			X				
STOREROOM			X				
EMERG. EXIT AFT SPIRAL TUBE			X				
MESS DECK			X				
STOREROOM			X				
ATHWARTSHIP PASSAGE			X				
WORK SPACE #2			X			<0.0056	Sample 4
WORK SPACE #3			X				
BERTHING			X				
OFFICE			X				
HEAD			X				
STBD PASSAGEWAY FWD			X				
EMERG EXSIT FWD SPIRAL TUBE			X				
ENGINE ROOM TRUNK			X				
BOILER ROOM			X			<0.0056	Sample 5
AIR COMPRESSOR ROOM			X				
GENERATOR ROOM #1			X			<0.0056	Sample 6
STBD DIESEL ROOM			X				
PORT DIESEL ROOM			X				
GENERATOR ROOM #2			X			<0.0056	Sample 7
PUMP ROOM #1			X			<0.0056	Sample 8
PUMP ROOM #2			X				
HULL BALLAST TANKS - 1 - 12			X				
UNDER DECK OIL TANKS - 14			X				
UNDER DECK WATER TANKS - 2			X				
FWD PORT F.W. TANK			X				
AFT PORT F.W. TANK			X				
FWD STBD F.W. TANK			X				
AFT STBD F.W. TANK			X				
PUMP SECTION BOX - 2			X				

GLOBAL, A 1ST FLAGSHIP COMPANY
INACTSHIPMAINTO - PEARL HARBOR

DISPOSAL ASBESTOS SURVERY FORM

VESSEL/CRAFT NAME AND HULL NUMBER: IX-522 (AFDB 2D) DATE: 18-Sep-19

COMPARTMENTS	FRIABLE	NON FRIABLE	N/A	NO. OF DANGER SIGNS	NO. OF CAUTION SIGNS	SAMPLE READING	REMARKS
SEWAGE PIT AREA			X				
CHAIN LOCKER			X				
BOILER ROOM VOIDES - 2			X				
PUMP ROOM 1 & 2 VOIDS - 1 EA			X				
CRANE ROOM			X			<0.0056	Sample 1

HAWAII ANALYTICAL LABORATORY, LLC

3615 Harding Avenue, Suite 308
Honolulu, HI 96816
Ph: 808-735-0422 - Fax: 808-735-0047
www.analyzehawaii.com

☐ New Client?

Report To*	NOA,KOA,TONY,PATI	Invoice To*	Steve Copeland
Company	GLOBAL A 1ST FLAGSHIP	Company	GLOBAL A 1ST FLAGSHIP
Address*	93-051 WAIPIO ACCESS RD	Address*	93-051 WAIPIO ACCESS RD
Phone / Cell No.*	808-321-4943	Phone / Cell No.*	808-471-4089
Report results to		Purchase Order No.	
Email / Fax	nnoa@flagship-global.com	Email Invoice To	steven.a.copeland.ctr@navy.mil

Need Results By*:
- ☐ 5 Working Days (WD)
- ☐ 4 WD
- ☐ 3 WD
- ☑ 2 WD
- ☐ 24 hours
- ☐ 8 hours or less
- ☐ 4 hours or less
- ☐ 1-2 hours

Site/Project Name: IX-522

Client Project No.:

Verbal results? ☐

Sampled By & Certif. #: MECAIID109201900040Z

Special Instructions: * 48L AA 9.19.19

ASBESTOS AIR SAMPLING TEST

PLM POSITIVE STOP Instructions:
- ☐ + stop / SAMPLE
- ☐ + stop / LAYER

Lab Report No.: 201907899

	Sample ID	Sample Description*	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Area / Air Volume	Analysis Requested*	Method Reference	Lab Sample(s) No.:
1	IX522-1	CRANE Rm	09/18/19	AIR SAMP.	170/2.5 *	ASBESTOS		201946645
2	IX522-2	Main Entrance	09/18/19	AIR SAMP.	170/2.5	ASBESTOS		201946646
3	IX522-3	ROOM #1	09/18/19	AIR SAMP.	170/2.5	ASBESTOS		201946647
4	IX522-4	ROOM #2	09/18/19	AIR SAMP.	170/2.5	ASBESTOS		201946648
5	IX522-5	BOILER ROOM	09/18/19	AIR SAMP.	170/2.5	ASBESTOS		201946649
6	IX522-6	GENERATOR RM #1	09/18/19	AIR SAMP.	170/2.5	ASBESTOS		201946650
7	IX522-7	GENERATOR RM #2	09/18/19	AIR SAMP.	170/2.5	ASBESTOS		201946651
8	IX522-8	Pump Rm #1	09/18/19	AIR SAMP.	170/2.5	ASBESTOS		201946652
9								
10								
11								
12								

Relinquished By (Print and Sign)	Date/Time	Received By (Print and Sign)	Date/Time
[signature]	09/18/19 / 9:00	Anne Antin	09-19-19A09:03 RCVD
Norman Noa		[signature]	

*Sample description can be paint chips, concrete, specific sample collection location, etc...
If matrix is 'soil', please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the comment section.
All samples submitted are subject to Hawaii Analytical Laboratory terms and conditions.
*Required fields, failure to complete these fields may result in a delay in your samples being processed.

☐ via HAC ☐ via USPS ☐ via drop box ☐ via FedEx ☐ via pick up
awb#: 173-.....

Page: _____ of _____

Enclosure (7)

Hawaii Analytical Laboratory
ANALYTICAL REPORT

Friday, September 20, 2019

GLOBAL, A 1st Flagship Company
93-051 Waipio Point Access Rd.
Waipahu HI 96797

Phone Number: (808) 471-4547
Facsimile:
Email: -

Lab Job No: 201907899
Date Submitted: 9/19/2019
Your Project: IX-522, 9/18/19

Fiber Count Determination

NIOSH Method 7400

Sample No.	Your Sample description	Total Fibers	Total Fields	Air Vol. (L)	Fibers / mm2	Results	Units	Date Analyzed
201946645	IX522-1	3	100	480	3.8	<0.0056	f/cc	9/20/2019
Comments								
201946646	IX522-2	3.5	100	480	4.5	<0.0056	f/cc	9/20/2019
Comments								
201946647	IX522-3	4.5	100	480	5.7	<0.0056	f/cc	9/20/2019
Comments								
201946648	IX522-4	1.5	100	480	1.9	<0.0056	f/cc	9/20/2019
Comments								
201946649	IX522-5	4	100	480	5.1	<0.0056	f/cc	9/20/2019
Comments								
201946650	IX522-6	1.5	100	480	1.9	<0.0056	f/cc	9/20/2019
Comments								
201946651	IX522-7	3.5	100	480	4.5	<0.0056	f/cc	9/20/2019
Comments								

Hawaii Analytical Laboratory (101812) is accredited by the AIHA LAP, LLC in the EMLAP, IHLAP, and ELLAP programs for the scope of work listed on www.aihaaccreditedlabs.org, in accordance with the recognized ISO/IEC 17025:2005.
Controlled doc.: Fiber Counts Report, rev. 4 - 20180503

GLOBAL, A 1st Flagship Company
93-051 Waipio Point Access Rd.
Waipahu HI 96797

Phone Number: (808) 471-4547
Facsimile:
Email: -

Lab Job No: 201907899
Date Submitted: 9/19/2019
Your Project: IX-522, 9/18/19

Fiber Count Determination

NIOSH Method 7400

Sample No.	Your Sample description	Total Fibers	Total Fields	Air Vol. (L)	Fibers / mm2	Results	Units	Date Analyzed
201946652	IX522-8	2	100	480	2.5	< 0.0056	f/cc	9/20/2019

Comments

General Comments
The air filter analyses subject of this Analytical Report were conducted in general accordance with the procedures outlined in the National Institute of Occupational Safety and Health's "Asbestos and Other Fibers by PCM" Method 7400, Issue 2, Aug 1994. Note that although this method is primarily used for estimating airborne asbestos concentrations, PCM does not differentiate between asbestos and other fibers. Any airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase sample bias. Transmission Electron Microscopy (TEM) Method 7402 should be employed for assistance in the identification of individual fibers. Fibers less than 0.25 micrometers in diameter may not be detected by this method. NIOSH 7400 recommends 2 field blanks or 10% of the sample set, whichever is greater. Results have not been corrected for field blank determinations unless noted in remarks. This report is not to be duplicated except in full without the expressed written permission of Hawaii Analytical Laboratory (HAL). HAL intra-lab CV for the fiber density range of [5-20] is 0.147; [>20-50] is 0.084; [>50-100] is 0.066 and [>100] is 0.093. HAL inter-lab CV for the fiber density range of [5-20] is 0.152; [>20-50] is 0.067; [>50-100] is 0.142 and [>100] is 0.141. The reporting limit for this method is based on 7 fibers / mm2 filter area. TWA values have been calculated based on information supplied by the client that the laboratory has not independently verified. Unless otherwise indicated the sample condition at the time of receipt was acceptable. This report should not be construed as an endorsement for a product or a service by the AIHA LAP, LLC or any affiliated organizations.

Symbols Definitions
Uncountable = Not analyzed due to severe interference from "debris" and / or sample particulate "overloading", although an attempt was made.
< This testing result is less than the numerical value listed.

Jennifer Hsu Liao
Laboratory Manager

GLOBAL, A 1ST FLAGSHIP COMPANY
INACTSHIPMAINTO - PEARL HARBOR

DISPOSAL PCB SURVEY REPORT

VESSEL/CRAFT NAME AND HULL NUMBER: YIX-522 (AFDB-2D) DATE: 9/23/2019

SERIAL #	LOCATION	QTY	PCB ITEM	LEAK	EQUIPMENT
THERE ARE NO KNOWN PCB TRANSFORMERS OR CAPACITORS ON BOARD. HOWEVER, THERE ARE VENTILATION GASKETS, WIRING, FLUORESCENT LIGHTING BALLASTS, ETC, THAT MAY CONTAIN PCB'S ON BOARD.					

SIGNATURE

Norman Noa

Enclosure (8)

PCB SAMPLING PROCEDURES
NAVSEA PCB Advisory 95-I Protocols

ADDENDUM TO PCB SURVEY REPORT

Subj: PCB SAMPLING AND ANALYSIS SURVERY FOR IX-522

Ref: COMNAVSEASYSCOM WASHINGTON DC ltr 4770 Ser 00T/248 of 21 Sep 95
(Subj: NAVSEA PCB Advisory 95-I)

1. The following statement is provided regarding the number of samples taken as required by reference (a):

20	Samples of ELECTRICAL CABLE were taken.
10	Samples of VENTILATION DUCT GASKETS were taken.
1	Samples of BULKHEAD INSULATION were taken.
10	Samples of OILS AND GREASES were taken.
0	Samples of DOUBLE-BACKED ADHESIVE TAPE were taken.
5	Sample of ALUMINIZED PAINT were taken.
5	Sample of RUBBER APPLICATIONS (i.e., shock mounts, hatch gaskets, pipe hangars, etc.) were taken.
7	Quality Control Samples (FIELD BLANKS and TOOL CHECKS) were taken.

2. A representative sample was taken of each of the applications identified above. No other applications meeting the criteria of reference (a) were available for sampling on board.

SAMPLER (S) Norman Noa
Tony Tauai

SAMPLER (S) Robert Olomua
Kekoa Orlando

Date: 9/13/2019

Vessel Name and Hull Number: IX-522

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Date/Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc.) Sample Size: 2.5 inches	Cable Year	Result
1	9/13/2019 0830am	ROOM #1	2" BLACK CABLE FROM OUTLET SAMPLE NOA,ROBERT,KOA,TONY	UNK	ND
2	9/13/2019 0830AM	ROOM #1	2" BLACK CABLE FROM FLOURESCENT LIGHT SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
3	9/13/2019 0835AM	ROOM #2	2" BLACK CABLE FROM CKT DE-ENERGIZED SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
4	9/13/2019 0840AM	ROOM #2	1" BLACK CABLE FROM ALARM PANEL SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
5	9/13/2019 0845AM	ROOM #2	2" BLACK CABLE FROM TRANSFORMER SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
6	9/13/2019 0850AM	ROOM #3	1" BLACK CABLE FROM BRAND REY XLPOLYO SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
7	9/13/2019 0855AM	PANEL ROOM #1	2" BLACK CABLE- AMERICAN WIRE AND CABLE SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
8	9/13/2019 0900AM	ROOM #4	2" BLACK CABLE FROM PANEL SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
9	9/13/2019 0910AM	ROOM #4	2" BLACK CABLE- BRAND REX LSFHOF SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
10	9/13/2019 0920AM	ROOM #5	2" BLACK CABLE FROM SUPPLY VENT BLOWER SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
11	9/13/2019 0950AM	PASSAGE WAY #1	" BLACK CABLE FROM PLASTOID CORP GSWU 1 SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
12	9/13/2019 0955AM	PASSAGE WAY #1	2" BLACK CABLE BRAND REX SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND

Date: 9/13/2019

Vessel Name and Hull Number: IX-522

ELECTRICAL CABLING SAMPLING LOG-IN SHEET (20 Samples required)					
Smpl No.	Date/Time	Location (Compartment Name/Number)	DESCRIPTION OF CABLE (Size, Color, Manufacturer, MIL-SPEC, etc.) Sample Size: 2.5 inches	Cable Year	Result
13	9/13/2019 1230PM	BOILER ROOM 3RD LEVEL	2" BLACK CABLE FROM LIGHT SWITCH SAMPLE NOA,ROBERT,KOA,TONY	UNK	ND
14	9/13/2019 1240PM	BOILER ROOM 3RD LEVEL	2" BLACK CABLE FROM CAROL CBL CO-INC SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
15	9/13/2019 1245PM	GENERATOR ROOM #1	1" BLACK CABLE FROM CONTROL SWITCH SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
16	9/13/2019 1250PM	GENERATOR ROOM #1	1" BLACK CABLE FROM MOTOR SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
17	9/13/2019 1300PM	ROOM #2	1" BLACK CABLE FROM FUSE BOX SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
18	9/13/2019 1310PM	PANEL ROOM #1	2" BALCK CABLE FROM COLLYER SPL PVC SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
19	9/13/2019 1315PM	PANEL ROOM #1	2" BLACK CABLE FROM PIRELLI CABKE EM TSG4-14 SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND
20	9/13/2019 1320PM	PUMP ROOM #2	2" BLACK CABLE SAMPLE BY NOA, ROBERT,KOA,TONY	UNK	ND

Vessel Name and Hull Number: IX-522

OIL SAMPLING LOG-IN SHEET (5 Samples of Oil and 5 Samples of Grease Required)				
Smpl No.	Date/Time	Location (Compartment Name/Number)	DESCRIPTION OF OILS/GREASES (Lube, Hydraulic Oils and /or grease and equipment retrieved from): Sample Size: 1/4 to 1.0 inch depth	Result
21	9/16/2019 0905AM	3RD DECK MIDSHIP	LUBE OIL FROM MACHINERY SAMPLE BY NOA, ROBERT,KOA,TONY	ND
22	9/16/2019 0910AM	3RD DECK PORT SIDE	LUBE OIL FROM MACHINERY SAMPLE BY NOA, ROBERT,KOA,TONY	ND
23	9/16/2019 0915AM	3RD DECK STARBOARD SIDE	LUBE OIL FROM MACHINERY SAMPLE BY NOA, ROBERT,KOA,TONY	ND
24	9/16/2019 0920AM	3RD DECK	LUBE OIL FROM MACHINERY SAMPLE BY NOA, ROBERT,KOA,TONY	ND
25	9/16/2019 0925AM	3RD DECK	LUBE OIL FROM MACHINERY SAMPLE BY NOA, ROBERT,KOA,TONY	ND
26	9/16/2019 0930AM	3RD DECK	LUBE OIL FROM MACHINERY SAMPLE BY NOA, ROBERT,KOA,TONY	ND
27	9/16/2019 0935AM	MAIN DECK PORT SIDE YELLOW DOOR	BLACK GREASE FROM PORT SDIE FORWARD CRANE WHEEL SAMPLE BY NOA, ROBERT,KOA,TONY	ND
28	9/16/2019 0940AM	MAIN DECK PORT SIDE YELLOW DOOR	BLACK GREASE FROM AFT PORT SIDE CRANE WHEEL SAMPLE BY NOA, ROBERT,KOA,TONY	ND
29	5/23/2019 1345	3-139-0-E AFT Steering	BLACK GREASE FROM STARBOARD SIDE FORWARD CRANE WHEEL SAMPLE BY NOA, ROBERT,KOA,TONY	ND
30	9/16/2019 0955AM	MAIN DECK PORT SIDE YELLOW DOOR	BLACK GREASE FROM AFT STOARBOARD SIDE CRANE WHEEL SAMPLE BY NOA, ROBERT,KOA,TONY	ND

Date: 9/13/2019

Vessel Name and Hull Number: IX-522

VENTILATION GASKET SAMPLING LOG-IN SHEET (10 Samples Required)				
Smpl No.	Date/Time	Location (Compartment Name/Number)	DESCRIPTION OF VENTILATION GASKET (Rubber/Wool Felt, etc. Sample Size: 2 inch Strip)	Result
31	9/16/2019 1215PM	ROOM #3 STARBOARD SIDE	BLACK RUBBER VENTIALTION GASKET SAMPLE BY NOA, ROBERT,KOA,TONY	ND
32	9/16/2019 1219PM	ROOM #3 PORT SIDE	BLACK RUBBER VENTILATION GASKET SAMPLE BY NOA, ROBERT,KOA,TONY	ND
33	9/16/2019 1225PM	ROOM #14 MIDSHIP	BLACK RUBBER VENTILATION GASKET SAMPLE BY NOA, ROBERT,KOA,TONY	ND
34	9/16/2019 1231PM	ROOM #5	BLACK RUBBER GASKET FROM WATER TANK SAMPLE BY NOA, ROBERT,KOA,TONY	ND
35	9/16/2019 1237PM	ROOM #6 PORT SIDE	BLACK RUBBER GASKET FROM WATER TANK SAMPLE BY NOA, ROBERT,KOA,TONY	ND
36	9/16/2019 1240PM	ROOM #6 PORT SIDE	BLACK RUBBER GASKET FROM WATER TANK SAMPLE BY NOA, ROBERT,KOA,TONY	ND
37	9/16/2019 1245PM	GENERATOR RM MIDSHIP	FELT GASKET FROM GENERATOR ROOM LEVEL #1 SAMPLE BY NOA, ROBERT,KOA,TONY	ND
38	9/16/2019 1251PM	GENERATOR RM MIDSHIP	FELT GASKET FROM GENERATOR ROOM LEVEL #1 SAMPLE BY NOA, ROBERT,KOA,TONY	ND
39	9/16/2019 1256PM	BOILER ROOM	BLACK RUBBER GASKET SAMPLE BY NOA, ROBERT,KOA,TONY	ND
40	9/16/2019 1300PM	PUMP ROOM	BLACK RUBBER GASKET SAMPLE BY NOA, ROBERT,KOA,TONY	ND

Date: 9/16/2019

Vessel Name and Hull Number: IX-522

BULKEAD INSULATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	**Date/Time**	**Location (Compartment Name/Number)**	**DESCRIPTION OF INSULATION (Type, color, etc.) (Sample Size: 2.5 X 1/2 inch)**	**Result**
41	9/16/2019 1000AM	MAIN DECK PORT SIDE YELLOW DOOR	WHITE OUTER YELLOW INNER MAIN YELLOW ACCESS DOOR PORT SIDE SAMPLE BY NOA, ROBERT,KOA,TONY	ND
42			NOT AVAILABLE	
43			NOT AVAILABLE	
44			NOT AVAILABLE	
45			NOT AVAILABLE	
RUBBER APPLICATION SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	**Date/Time**	**Location (Compartment Name/Number)**	**DESCRIPTION (SEE NOTE BELOW) (Sample Size: 2.5 X 1/2 inch)**	**Result**
46	9/16/2019 1003AM	SECOND DECK ROOM #1	BLACK RUBBER SHOCKS FROM CABLE MOUNT SAMPLE BY NOA, ROBERT,KOA,TONY	ND
47	9/16/2019 1007AM	SECOND DECK ROOM #2	BLACK RUBBER SHOCKS FROM CABLE MOUNT SAMPLE BY NOA, ROBERT,KOA,TONY	ND
48	9/16/2019 1012AM	SECOND DECK ROOM #3	BLACK RUBBER SHOCKS FROM CABLE MOUNT SAMPLE BY NOA, ROBERT,KOA,TONY	ND
49	9/16/2019 1018AM	SECOND DECK ROOM #4	BLACK RUBBER SHOCKS FROM CABLE MOUNT SAMPLE BY NOA, ROBERT,KOA,TONY	ND
50	9/16/2019 1021AM	SECOND DECK ROOM #5	BLACK RUBBER SHOCKS FROM CABLE MOUNT SAMPLE BY NOA, ROBERT,KOA,TONY	ND

Rubber applications include but are not limited to: isolation shock mounts, pipe block hangers.

Date: 10/17/2019

Vessel Name and Hull Number: IX-522

DOUBLE-BACKED ADHESIVE TAPE SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	**Date/Time**	**Location (Compartment Name/Number)**	**DESCRIPTION OF EQUIPMENT (Where Retrieved and color) (Sample Size: Strip)**	**Result**
51			NOT AVAILABLE	
52			NOT AVAILABLE	
53			NOT AVAILABLE	
54			NOT AVAILABLE	
55			NOT AVAILABLE	
ALUMINIZED PAINT SAMPLING LOG-IN SHEET (5 Samples Required)				
Smpl No.	**Date/Time**	**Location (Compartment Name/Number)**	**DESCRIPTION OF EQUIPMENT WHERE RETRIEVED (Sample Size: 1/8 to 1/4 X inch depth in container)**	**Result**
56 (#1)	10/17/2019 0800AM	GENERATOR ROOM #2	ALUMINIZED PAINT FROM EXHAUST PIPE SAMPLE BY NOA, ROBERT, KOA, TONY	A1260 11
57 (#2)	10/17/2019 0809AM	PASSAGEWAY #2	ALUMINIZED PAINT FROM EXHAUST PIPE SAMPLE BY NOA, ROBERT, KOA, TONY	A1260 14
58 (#3)	10/17/2019 0816AM	PASSAGEWAY #1	ALUMINIZED PAINT FROM EXHAUST PIPE SAMPLE BY NOA, ROBERT, KOA, TONY	A1260 33
59 (#4)	10/17/2019 0820AM	PASSAGEWAY #1	ALUMINIZED PAINT FROM EXHAUST PIPE SAMPLE BY NOA, ROBERT, KOA, TONY	A1260 ND
60 (#5)	10/17/2019 AM	PASSAGEWAY #2	ALUMINIZED PAINT FROM EXHAUST PIPE SAMPLE BY NOA, ROBERT, KOA, TONY	A1260 1.1

Date: 9/16/2019

Vessel Name and Hull Number: IX-522

FIELD BLANKS SAMPLING LOG-IN SHEET (2 Samples required: One after every 30 Samples)				
Smpl No.	Date/Time	Location (Compartment Name/Number)	DESCRIPTION	Result
FB-1	9/16/2019 0955AM	MAIN DECK 'ORTSIDE YEL DOO	BLACK GREASE FROM AFT STBD SIDE CRANE WHEEL SAMPLE BY NOA, ROBERT,KOA,TONY	ND
FB-2	9/16/2019 1021AM	SECOND DECK ROOM #5	BLACK RUBBER SHOCKS FROM CABLE MOUNT SAMPLE BY NOA, ROBERT,KOA,TONY	ND

TOOL BLANKS SAMPLING LOG-SHEET (5 Samples required; One after every 10 Solid Samples)				
Smpl No.	Date/Time	Location (Compartment Name/Number)	DESCRIPTION OF EQUIPMENT WHERE RETRIEVED Sample Size: 1/8 to 1/4 inch depth in container	Result
TB-1	9/13/2019 0920AM	ROOM #5	2" BLACK CABLE FROM PLASTOID CORP GSW4 10 SAMPLE BY NOA, ROBERT,KOA,TONY	ND
TB-2	9/13/2019 1320PM	PUMP ROOM #2	2" BLACK CABLE SAMPLE BY NOA, ROBERT,KOA,TONY	ND
TB-3	9/16/2019 1300PM	PUMP ROOM	BLACK RUBBER GASKET SAMPLE BY NOA, ROBERT,KOA,TONY	ND
TB-4	9/16/2019 0955AM	MAIN DECK PORT SIDE YELLOW DOOR	ACK GREASE FROM AFT STBD SIDE CRANE WHEEL SAMPLE BY NOA, ROBERT,KOA,TONY	ND
TB-5	9/162019 1021AM	SECOND DECK ROOM #5	BLACK RUBBER SHOCKS FROM CABLE MOUNT SAMPLE BY NOA, ROBERT,KOA,TONY	ND

ADVANCED ANALYTICAL LABORATORY INC

September 26, 2019

Glabal A1st Flagship
93-051 Waipio Pt. Access Rd.
Waipahu, HI 96797

Dear Steve Copeland:

Please find enclosed the analytical report for:

Project Name:	IX-522
AAL Project #:	U664
Date Received:	08/17/2019
MIS Prep:	No

The results, applicable reporting limits, QA/QC data, invoice, and copy of COC are included. If Multi-incremental preparation was needed for this project, it was completed by Advanced Analytical Laboratory, Honolulu, HI.

Advanced Analytical Laboratory appreciates the opportunity to provide analytical services for this project. If you have any questions regarding this project, please don't hesitate to contact AAL.

Thank you for your business and continuing support.

Sincerely,

Uwe Baumgartner, Ph.D
Owner

Elisa M. Young
Owner

544 Ohohia Street, Unit A, HONOLULU HAWAII 96819
tel (808) 836-2252 fax (808) 836-2250

ACCU LABORATORY

12524 130th Lane NE
Kirkland WA 98034

Tel: (425) 214-5858
(425) 214-5868
Email: lisa@accu-lab.com
website: www.accu-lab.com

Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**19-AL0618-2**
	544 Ohohla Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Polychlorinated Biphenyls in Solid by EPA 8082A/3550C/3665A

Accu Lab Batch# AL091819-2

Client sample ID					**IX-1**	**IX-2**	**IX-3**	**IX-4**	**IX-5**
Lab ID	MRL	Unit	MTH BLK	LCS	19-AL0918-2-1	19-AL0918-2-2	19-AL0918-2-3	19-AL0918-2-4	19-AL0918-2-5
Matrix			Solid	Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/19/2019	9/19/2019	9/19/2019
A1016	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	71%	nd	nd	nd	nd	nd
A1262	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd		nd	nd	nd	nd	nd
Surrogate Recoveries									
Decachlorobiphenyl			137%	116%	99%	113%	106%	89%	100%
Tetrachloro-m-xylene			88%	110%	107%	110%	93%	106%	107%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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Analytical Report

Client	Advanced Analytical Laboratory	Acculab WO#	19-AL0618-2
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	IX-522	Date Reported	9/26/2019
Client Project#			
Project#	U664		

Polychlorinated Biphenyls in Solid by EPA 8082A/3550C/3665A

Accu Lab Batch# AL091819-2

Client sample ID			IX-6	IX-7	IX-8	IX-9	IX-10	IX-11
Lab ID	MRL	Unit	19-AL0918-2-6	19-AL0918-2-7	19-AL0918-2-8	19-AL0918-2-9	19-AL0918-2-10	19-AL0918-2-11
Matrix			Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019
A1016	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1262	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd	nd	nd	nd	nd	nd
Surrogate Recoveries								
Decachlorobiphenyl			97%	97%	92%	87%	90%	101%
Tetrachloro-m-xylene			89%	94%	92%	112%	108%	104%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Polychlorinated Biphenyls in Solid by EPA 8082A/3550C/3665A

Accu Lab Batch# AL091819-2

Client sample ID			**IX-12**	**IX-13**	**IX-14**	**IX-15**	**IX-16**	**IX-17**
Lab ID	**MRL**	**Unit**	19-AL0918-2-12	19-AL0918-2-13	19-AL0918-2-14	19-AL0918-2-15	19-AL0918-2-16	19-AL0918-2-17
Matrix			Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019
A1016	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1262	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd	nd	nd	nd	nd	nd
Surrogate Recoveries								
Decachlorobiphenyl			97%	96%	90%	102%	101%	98%
Tetrachloro-m-xylene			105%	112%	115%	99%	107%	102%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Polychlorinated Biphenyls in Solid by EPA 8082A/3550C/3665A

Accu Lab Batch#: AL091819-2

Client sample ID			**IX-18**	**IX-19**	**IX-20**	**MS IX-3**	**MSD IX-3**	**RPD IX-3**
Lab ID	**MRL**	**Unit**	19-AL0918-2-18	19-AL0918-2-20	19-AL0918-2-21	19-AL0918-2-3	19-AL0918-2-3	19-AL0918-2-3
Matrix			Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019
A1016	1.0	mg/kg	nd	nd	nd			
A1221	1.0	mg/kg	nd	nd	nd			
A1232	1.0	mg/kg	nd	nd	nd			
A1242	1.0	mg/kg	nd	nd	nd			
A1248	1.0	mg/kg	nd	nd	nd			
A1254	1.0	mg/kg	nd	nd	nd			
A1260	1.0	mg/kg	nd	nd	nd	111%	120%	8%
A1262	1.0	mg/kg	nd	nd	nd			
A1268	1.0	mg/kg	nd	nd	nd			
Surrogate Recoveries								
Decachlorobiphenyl			0%	95%	98%	103%	94%	
Tetrachloro-m-xylene			0%	94%	96%	94%	128%	

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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Analytical Report

Client	Advanced Analytical Laboratory	Acculab WO#	19-AL0618-2
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	IX-522	Date Reported	9/26/2019
Client Project#			
Project#	U664		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-3

Client sample ID					IX-21	IX-22	IX-23	IX-24	IX-25
Lab ID	MRL	Unit	MTH BLK	LCS	19-AL0918-2-21	19-AL0918-2-22	19-AL0918-2-23	19-AL0918-2-24	19-AL0918-2-25
Matrix			Solid	Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019
A1016	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	112%	nd	nd	nd	nd	nd
A1262	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd		nd	nd	nd	nd	nd
Surrogate Recoveries									
Decachlorobiphenyl			88%	92%	111%	111%	111%	111%	110%
Tetrachloro-m-xylene			89%	88%	96%	94%	94%	96%	95%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-3

Client sample ID			**IX-26**	**IX-27**	**IX-28**	**IX-29**	**IX-30**
Lab ID	**MRL**	**Unit**	19-AL0918-2-26	19-AL0918-2-27	19-AL0918-2-28	19-AL0918-2-29	19-AL0918-2-30
Matrix			Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/20/2019	9/20/2019
A1016	1.0	mg/kg	nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	nd	nd	nd	nd
A1262	1.0	mg/kg	nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd	nd	nd	nd	nd
Surrogate Recoveries							
Decachlorobiphenyl			112%	119%	119%	122%	118%
Tetrachloro-m-xylene			95%	108%	109%	108%	118%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**19-AL0618-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	IX-522	Date Reported	9/26/2019
Client Project#			
Project#	U664		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-3

Client sample ID					**IX-31**	**IX-32**	**IX-33**	**IX-34**	**IX-35**
Lab ID	**MRL**	**Unit**	**MTH BLK**	**LCS**	19-AL0918-2-31	19-AL0918-2-32	19-AL0918-2-33	19-AL0918-2-34	19-AL0918-2-35
Matrix			Solid	Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019
A1016	5.0	mg/kg	nd		nd	nd	nd	nd	nd
A1221	5.0	mg/kg	nd		nd	nd	nd	nd	nd
A1232	5.0	mg/kg	nd		nd	nd	nd	nd	nd
A1242	5.0	mg/kg	nd		nd	nd	nd	nd	nd
A1248	5.0	mg/kg	nd		nd	nd	nd	nd	nd
A1254	5.0	mg/kg	nd		nd	nd	nd	nd	nd
A1260	5.0	mg/kg	nd	112%	nd	nd	nd	nd	nd
A1262	5.0	mg/kg	nd		nd	nd	nd	nd	nd
A1268	5.0	mg/kg	nd		nd	nd	nd	nd	nd
Surrogate Recoveries									
Decachlorobiphenyl			88%	92%	107%	106%	107%	106%	106%
Tetrachloro-m-xylene			89%	88%	101%	109%	82%	107%	110%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

Method Reporting Limits were elevated due to matrix interference.

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Analytical Report

Client	Advanced Analytical Laboratory	Acculab WO#	19-AL0618-2
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	IX-522	Date Reported	9/26/2019
Client Project#			
Project#	U664		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-3

Client sample ID			IX-36	IX-37	IX-38	IX-39	IX-40	MS IX-21
Lab ID	MRL	Unit	19-AL0918-2-36	19-AL0918-2-37	19-AL0918-2-38	19-AL0918-2-39	19-AL0918-2-40	19-AL0918-2-21
Matrix			Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/20/2019	9/20/2019	9/19/2019	9/19/2019
A1016	5.0	mg/kg	nd	nd	nd	nd	nd	
A1221	5.0	mg/kg	nd	nd	nd	nd	nd	
A1232	5.0	mg/kg	nd	nd	nd	nd	nd	
A1242	5.0	mg/kg	nd	nd	nd	nd	nd	
A1248	5.0	mg/kg	nd	nd	nd	nd	nd	
A1254	5.0	mg/kg	nd	nd	nd	nd	nd	
A1260	5.0	mg/kg	nd	nd	nd	nd	nd	108%
A1262	5.0	mg/kg	nd	nd	nd	nd	nd	
A1268	5.0	mg/kg	nd	nd	nd	nd	nd	
Surrogate Recoveries								
Decachlorobiphenyl			102%	102%	102%	100%	100%	114%
Tetrachloro-m-xylene			80%	96%	123%	128%	104%	96%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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ACCU LABORATORY

12524 130th Lane NE
Kirkland WA 98034

Tel: (425) 214-5858
(425) 214-5868
Email: lisa@accu-lab.com
website: www.accu-lab.com

Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**19-AL0618-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-3

Client sample ID			**MSD IX-21**	**RPD IX-21**
Lab ID	**MRL**	**Unit**	19-AL0918-2-21	19-AL0918-2-21
Matrix			Solid	Solid
Date Extracted			9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019
A1016	5.0	mg/kg		
A1221	5.0	mg/kg		
A1232	5.0	mg/kg		
A1242	5.0	mg/kg		
A1248	5.0	mg/kg		
A1254	5.0	mg/kg		
A1260	5.0	mg/kg	112%	4%
A1262	5.0	mg/kg		
A1268	5.0	mg/kg		
Surrogate Recoveries				
Decachlorobiphenyl			114%	
Tetrachloro-m-xylene			99%	

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**19-AL0618-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	IX-522	Date Reported	9/26/2019
Client Project#			
Project#	U664		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-4

Client sample ID					IX-41	IX-46	IX-47	IX-48	IX-49
Lab ID	MRL	Unit	MTH BLK	LCS	19-AL0918-2-41	19-AL0918-2-42	19-AL0918-2-43	19-AL0918-2-44	19-AL0918-2-45
Matrix			Solid	Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019
A1016	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	112%	nd	nd	nd	nd	nd
A1262	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd		nd	nd	nd	nd	nd
Surrogate Recoveries									
Decachlorobiphenyl			88%	92%	83%	101%	97%	101%	90%
Tetrachloro-m-xylene			89%	88%	131%	80%	78%	84%	75%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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ACCU LABORATORY

Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**19-AL0618-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-4

Client sample ID			**IX-50**	**FB-1**	**FB-2**	**TB-1**	**TB-2**	**TB-3**
Lab ID	**MRL**	Unit	19-AL0918-2-46	19-AL0918-2-47	19-AL0918-2-48	19-AL0918-2-49	19-AL0918-2-50	19-AL0918-2-51
Matrix			Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/20/2019	9/20/2019	9/20/2019	9/19/2019	9/20/2019
A1016	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1262	1.0	mg/kg	nd	nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd	nd	nd	nd	nd	nd
Surrogate Recoveries								
Decachlorobiphenyl			100%	106%	74%	82%	73%	78%
Tetrachloro-m-xylene			89%	117%	60%	76%	66%	76%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**19-AL0618-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Polychlorinated Biphenyls in Oil & Waste by EPA 8082A/3580A/3665A

Accu Lab Batch# AL091819-4

Client sample ID			TB-4	TB-5	MS IX-50	MSD IX-50	RPD IX-50
Lab ID	MRL	Unit	19-AL0918-2-52	19-AL0918-2-53	19-AL0918-2-46	19-AL0918-2-46	19-AL0918-2-46
Matrix			Solid	Solid	Solid	Solid	Solid
Date Extracted			9/18/2019	9/18/2019	9/18/2019	9/18/2019	9/18/2019
Date Analyzed			9/19/2019	9/19/2019	9/19/2019	9/19/2019	9/19/2019
A1016	1.0	mg/kg	nd	nd			
A1221	1.0	mg/kg	nd	nd			
A1232	1.0	mg/kg	nd	nd			
A1242	1.0	mg/kg	nd	nd			
A1248	1.0	mg/kg	nd	nd			
A1254	1.0	mg/kg	nd	nd			
A1260	1.0	mg/kg	nd	nd	118%	128%	8%
A1262	1.0	mg/kg	nd	nd			
A1268	1.0	mg/kg	nd	nd			
Surrogate Recoveries							
Decachlorobiphenyl			81%	78%	74%	74%	
Tetrachloro-m-xylene			87%	82%	62%	70%	

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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Analytical Report

Client	Advanced Analytical Laboratory	**Acculab WO#**	**19-AL0618-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	9/13/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	9/18/2019
Project Name	**IX-522**	Date Reported	9/26/2019
Client Project#			
Project#	**U664**		

Data Qualifiers and Comments:

MRL- Method Reporting Limit
nd- Indicates the analyte is not detected at the listing reporting limit.
C- Coelution with other compounds.
M- % Recovery of surrogate, MS/MSD is out of the acceptable limit due to matrix effect.
B- Indicates the analyte is detected in the method blank associated with the sample.
J- The analyte is detected at below the reporting limit.
E- The result reported exceeds the calibration range, and is an estimate.
D- Sample required dilution due to matrix. Method Reporting Limits were elevated due to dilutions.
H- Sample was received or analyzed past holding time
Q- Sample was received with head space, improper preserved or above recommended temperature.
I- Due to insufficient sample, LCS/LCS DUP were analyzed in place of MS/MSD.
R- The recovery of this analyte in QC sample failed high, but the analyte was not detected in all related samples. No action was taken.
R-1- The RPD value for the MS/MSD was outside of QC acceptance limits however both recoveries were acceptable. All related samples were "nd". No action was taken.
R-2- The recovery of the surogate in sample failed high, but all related analytes were not detected in the sample. No action was taken.

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Kirkland WA 98034

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Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**19-AL1018-4**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	10/17/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	10/18/2019
Project Name	**IX-522**	Date Reported	10/23/2019
Client Project#			
Project#	**U746**		

Polychlorinated Biphenyls in Solid by EPA 8082A/3550C/3665A

Accu Lab Batch# AL102119-3

					56	57	58	59	60
Client sample ID					**#1**	**#2**	**#3**	**#4**	**#5**
Lab ID	**MRL**	**Unit**	**MTH BLK**	**LCS**	19-AL1018-4-1	19-AL1018-4-2	19-AL1018-4-3	19-AL1018-4-4	19-AL1018-4-5
Matrix			Solid	Solid	Solid	Solid	Solid	Solid	Solid
Date Extracted			10/21/2019	10/21/2019	10/21/2019	10/21/2019	10/21/2019	10/21/2019	10/21/2019
Date Analyzed			10/21/2019	10/21/2019	10/21/2019	10/21/2019	10/21/2019	10/21/2019	10/21/2019
A1016	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1221	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1232	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1242	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1248	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1254	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1260	1.0	mg/kg	nd	91%	11	14	33	nd	1.1
A1262	1.0	mg/kg	nd		nd	nd	nd	nd	nd
A1268	1.0	mg/kg	nd		nd	nd	nd	nd	nd
Surrogate Recoveries									
Decachlorobiphenyl			90%	82%	110%	110%	109%	109%	111%
Tetrachloro-m-xylene			93%	80%	107%	104%	105%	M	97%

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

Enclosure (10)

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12524 130th Lane NE
Kirkland WA 98034

Tel: (425) 214-5858
(425) 214-5868
Email: lisa@accu-lab.com
website: www.accu-lab.com

Analytical Report

Client	**Advanced Analytical Laboratory** 544 Ohohia Street #10 Honolulu, HI, 96819	**Acculab WO#**	**19-AL1018-4**
		Date Sampled	10/17/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	10/18/2019
Project Name	**IX-522**	Date Reported	10/23/2019
Client Project#			
Project#	**U746**		

Polychlorinated Biphenyls in Solid by EPA 8082A/3550C/3665A

Accu Lab Batch# AL102119-3

Client sample ID			MS 302150-01-soil-01	MSD 302150-01-soil-01	RPD 302150-01-soil-01
Lab ID	MRL	Unit	19-AL1019-6-1	19-AL1019-6-1	19-AL1019-6-1
Matrix			Solid	Solid	Solid
Date Extracted			10/21/2019	10/21/2019	10/21/2019
Date Analyzed			10/21/2019	10/21/2019	10/21/2019
A1016	1.0	mg/kg			
A1221	1.0	mg/kg			
A1232	1.0	mg/kg			
A1242	1.0	mg/kg			
A1248	1.0	mg/kg			
A1254	1.0	mg/kg			
A1260	1.0	mg/kg	87%	84%	3%
A1262	1.0	mg/kg			
A1268	1.0	mg/kg			
Surrogate Recoveries					
Decachlorobiphenyl			113%	115%	
Tetrachloro-m-xylene			104%	105%	

Acceptable Recovery Limits:

LCS	*70-130%*
Surrogates/ MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

Enclosure (10)

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Analytical Report

Client	Advanced Analytical Laboratory	**Acculab WO#**	**19-AL1018-4**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	10/17/2019
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	10/18/2019
Project Name	IX-522	Date Reported	10/23/2019
Client Project#			
Project#	U746		

Data Qualifiers and Comments:

MRL- Method Reporting Limit

nd- Indicates the analyte is not detected at the listing reporting limit.

C- Coelution with other compounds.

M- % Recovery of surrogate, MS/MSD is out of the acceptable limit due to matrix effect.

B- Indicates the analyte is detected in the method blank associated with the sample.

J- The analyte is detected at below the reporting limit.

E- The result reported exceeds the calibration range, and is an estimate.

D- Sample required dilution due to matrix. Method Reporting Limits were elevated due to dilutions.

H- Sample was received or analyzed past holding time

Q- Sample was received with head space, improper preserved or above recommended temperature.

I- Due to insufficient sample, LCS/LCS DUP were analyzed in place of MS/MSD.

R- The recovery of this analyte in QC sample failed high, but the analyte was not detected in all related samples. No action was taken.

R-1- The RPD value for the MS/MSD was outside of QC acceptance limits however both recoveries were acceptable. All related samples were "nd". No action was taken.

R-2- The recovery of the surogate in sample failed high, but all related analytes were not detected in the sample. No action was taken.

Enclosure (10)

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ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5day AAL PROJECT#: U664

CLIENT: Global A 1st Flagship Company
ADDRESS: 93-051 Waipio Pt Access Rd Waipahu HI, 96797
PHONE: 808-471-4053 EMAIL: rnona@flagship-global-com
CLIENT PROJECT#:

PROJECT NAME: IX-622
COLLECTOR: Norman/Tony/Robert/Koa
DATE OF COLLECTION: 09.13.2019
PROJECT MANAGER: Steve Copeland

Sample Number	Time	Sample type	Container Type	ANALYSES: Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB + 1268	TCLP 8081 OrganoChlorind Pes	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
IX-1	0830	CABLE													X								1	1
IX-2	0830	CABLE													X								1	1
IX-3	0835	CABLE													X								1	1
IX-4	0840	CABLE													X								1	1
IX-5	0845	CABLE													X								1	1
IX-6	0850	CABLE													X								1	1
IX-7	0855	CABLE													X								1	1
IX-8	0900	CABLE													X								1	1
IX-9	0910	CABEL													X								1	1
IX-10	0920	CABEL													X								1	1
IX-11	0950	CABEL													X								1	1
IX-12	0955	CABEL													X								1	1
IX-13	1230	CABEL													X								1	1
IX-14	1240	CABEL													X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	09.17.19 1045		9/17/19 10:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	14
CHAIN OF CUSTODY SEALS INTACT	Y
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	2.6°C
PAGE 1 OF 1	

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5 day AAL PROJECT#: V664

CLIENT: CalGlobal A 1st Flagship Company
ADDRESS: 93-051 Waipio Pt Access Rd Waipahu HI, 96797
PHONE: 808-471-4053 EMAIL: nnoa@flagship-global.com
CLIENT PROJECT#:

PROJECT NAME: IX-522
COLLECTOR: Norman/Tony/Robert/Koa
DATE OF COLLECTION: 09.13.2019
PROJECT MANAGER: Steve Copeland

Sample Number	Time	Sample type	Container Type	ANALYSES: Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB # 1268	TCLP 8081 OrganoChlorind Pes	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
IX-15	1245	CABLE													X								1	1
IX-16	1250	CABLE													X								1	1
IX-17	1300	CABLE													X								1	1
IX-18	1310	CABLE													X								1	1
IX-19	1315	CABLE													X								1	1
IX-20	1320	CABLE													X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	1045 09.17.19		9/17/19 10:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	6
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	26°C
PAGE 1 OF 1	

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5day AAL PROJECT#: U664

CLIENT: Global A 1st Flagship Company
ADDRESS: 93-051 Waipio Pt Access Rd Waipahu HI, 96797
PHONE: 808-441-4053 EMAIL: mnoa@flagship-global.com
CLIENT PROJECT#:

PROJECT NAME: IX-522
COLLECTOR: Norman/MONG/Robert/Koa
DATE OF COLLECTION: 09.16.2019
PROJECT MANAGER: Steve Copeland

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB + 1268	TCLP 8081 OrganoChlorid Pes	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
IX-21	0905	L-01L													X								1	1
IX-22	0910	L-01L													X								1	1
IX-23	0915	L-01L													X								1	1
IX-24	0920	L-01L													X								1	1
IX-25	0925	L-01L													X								1	1
IX-26	0930	L-01L													X								1	1
IX-27	0935	B-Grease													X								1	1
IX-28	0940	B-Grease													X								1	1
IX-29	0945	B-Grease													X								1	1
IX-30	0955	B-Grease													X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	1045 09.17.19		9/17/19 10:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	10
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	2.6°C

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5day AAL PROJECT#: 0664

CLIENT: Global A 1st Flagship Company	PROJECT NAME: IX-522
ADDRESS: 93-051 Waipio Pt. Access Rd Waipahu HI, 96797	COLLECTOR: Norman/Tony/Robert/Ken
PHONE: 808-441-4053 EMAIL: nnoa@flagship-global.com	DATE OF COLLECTION: 09-13-2019
CLIENT PROJECT#:	PROJECT MANAGER: Steve Copeland

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB + 1268	TCLP 8081 OrganoChlorind Pes	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
IX-31	1215	V-Gaskets													X								1	1
IX-32	1219	V-Gaskets													X								1	1
IX-33	1225	V-Gaskets													X								1	1
IX-34	1231	V-Gaskets													X								1	1
IX-35	1237	V-Gaskets													X								1	1
IX-36	1240	V-Gaskets													X								1	1
IX-37	1245	V-Gaskets													X								1	1
IX-38	1251	V-Gaskets													X								1	1
IX-39	1256	V-Gaskets													X								1	1
IX-40	1300	V-Gaskets													X								1	1

ANALYSES

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	1045 09.12.19		9/17/19 10:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	10
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	2.6°C
PAGE 1 OF 1	

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5day AAL PROJECT#: U664

CLIENT: Global 1st Flagship Company
ADDRESS: 93-051 Waipio Pt Access Rd Waipahu HI, 96797
PHONE: 808-441-4053 EMAIL: nnoa@flagship-global.com
CLIENT PROJECT#:

PROJECT NAME: IX-522
COLLECTOR: Norman Mond/Robert Koa
DATE OF COLLECTION: 09-13-2019
PROJECT MANAGER: Steve Copeland

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB 1/1268	TCLP 8081 OrganoChlorind Pes	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
IX-41	1000	B-Insulation													X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	1045 09.17.19		9/17/19 10:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	2.6°C
PAGE 1 OF 1	

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5 day AAL PROJECT#: V664

CLIENT: Global A 1st Flagship Company
ADDRESS: 93-051 Waipio Point Access Rd Waipahu HI, 96797
PHONE: 808-441-4053 EMAIL: nnoa@flagship-global.com
CLIENT PROJECT#:

PROJECT NAME: IX-52
COLLECTOR: Norman Nong / Robert / Koa
DATE OF COLLECTION: 09.16.2019
PROJECT MANAGER: Steve Copeland

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB 1 1268	TCLP 8081 OrganoChlorind Pes	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
IX-46	1003	B-Rubber													X								1	1
IX-47	1007	B-Rubber													X								1	1
IX-48	1012	B-Rubber													X								1	1
IX-49	1018	B-Rubber													X								1	1
IX-50	1021	B-Rubber													X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	1045 09.17.19		9/17/19 10:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	2.6°C
PAGE 1 OF 1	

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohila St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5day AAL PROJECT#: U669

CLIENT: GLOBAL A 1st Flagship Company
ADDRESS: 93-051 Waipio pt Access Rd Waipahu HI, 96797
PHONE: 808-471-4053 EMAIL: nnoa@flagship-global-com
CLIENT PROJECT#:

PROJECT NAME: IX-522
COLLECTOR: Norman/TONy/Robert/Koa
DATE OF COLLECTION: 09-16-2019
PROJECT MANAGER: Steve Copeland

TOOL BLANKS

ANALYSES

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB + 1268	TCLP 8081 Organochlorind Pes.	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
TB-1	0920	B-Cable	P												X								1	1
TB-2	1320	B-Cable													X								1	1
TB-3	1300	B-Rubber													X								1	1
TB-4	0955	B-grease													X								1	1
TB-5	1021	B-Rubber													X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	1045 09.17.19		9/17/19 12:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	2.6°C
PAGE 1 OF 1	

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5day AAL PROJECT#: U669

CLIENT: GLOBAL & 1st FLAGSHIP Company
ADDRESS: 93-051 WAIPIO POINT ACCESS Rd-Waipahu, HI
PHONE: 808-471-4053 EMAIL: nmaa@flagship-global-com
CLIENT PROJECT#:

PROJECT NAME: IX-522
COLLECTOR: Norman/TONY/Robert/Koa
DATE OF COLLECTION: 09.16.2019
PROJECT MANAGER: Steve Copeland

FIELD BLANKS

ANALYSES

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB + 12 68	TCLP 8081 OrganoChlorind Pes	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
FB-1	0955	B-Garage	1												X								1	1
FB-2	1021	B-Rubber													X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	1045 09.17.19		9/17/19 10:45
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	2
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	4
TEMPERATURE	2.6°C
PAGE (OF)	

LABORATORY NOTES:

ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax(808) 836 2250 Address: 544 Ohohia St., unit 10 Honolulu, HI 96819

TURNAROUND TIME: 5 day AAL PROJECT#: U746

CLIENT: Global A1st Flagship Company
ADDRESS: 93-051 Waipio Pt. Access Rd. Waipahu, HI 96797
PHONE: (808) 471-4053 EMAIL: nnca@flagship-global.com
CLIENT PROJECT#:

PROJECT NAME: IX-522
COLLECTOR: Norman, Koa, Robert, Tony
DATE OF COLLECTION: 10-17-19
PROJECT MANAGER: Steve Copeland

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8260 BTEX	8270 PAH DOH-4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB +1268	TCLP 8081 Organo Chlorinated Pe	8081 Organochlorine Pesticides	Total Lead	Total Cadmium	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
#1 (56)	945		VOA												X								1	1
#2 (57)	945														X								1	1
#3 (58)	945														X								1	1
#4 (59)	945														X								1	1
#5 (60)	945														X								1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	10-17-19 / 945 AM	[signature]	10-17-19
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
			9:50

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS INTACT	NA
RECEIVED IN GOOD CONDITION	Yes
TEMPERATURE	22° C
PAGE 1 OF 1	

LABORATORY NOTES:

Enclosure (10)

4770
Ser 00/043
27 Sep 19

From: Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, Pearl Harbor, HI 96797-3272
To: Director, Naval Sea Systems Command, Inactive Ships Management Office, Bldg 8Y St. Juliens Creek Annex, Portsmouth, VA 23702-1009

Subj: FINAL WALK-THROUGH INSPECTION OF IX-522 (AFDB-2D)

Ref: (a) OPNAVINST 4770.5G
(b) INACTSHIPOFFINST 4770.3G

1. A final walk-through inspection of subject vessel was conducted by Mr. John Viloria and Mr. Steven Copeland in accordance with references (a) and (b)

2. It is our opinion that all disposal procedures and stripping requirements have been complete in accordance with applicable guidelines, and that no material of value onboard IX-522 (AFDB 2D).

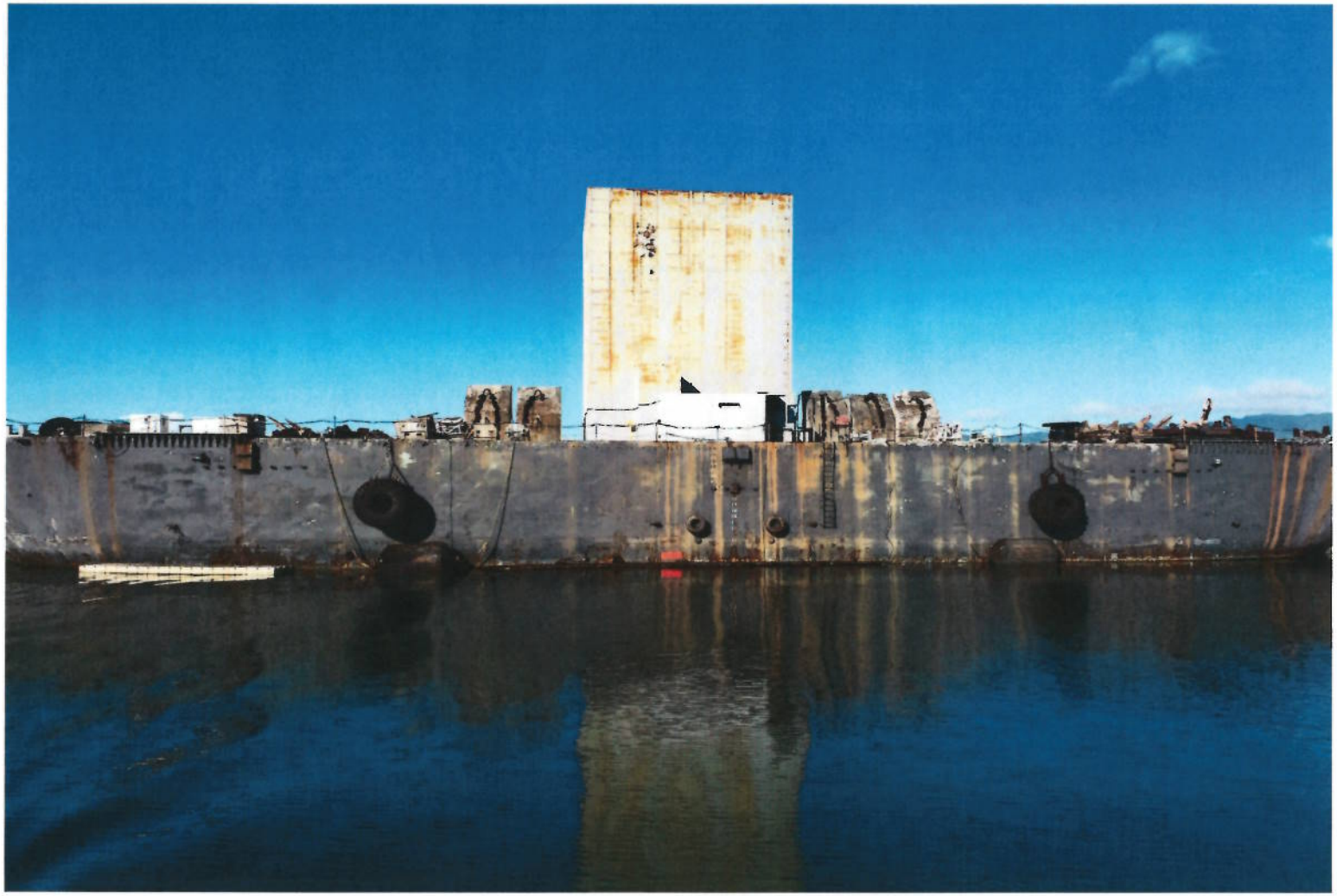
J. VILORIA

Distribution Statement D: Distribution authorized to Department of Defense and Naval Sea Systems Command (NAVSEA) contractors involved with ship construction and repair. Other requests for this document shall be referred to INACTSHIPOFF.

IX-522 BOW

IX-522 PORT VIEW

IX-522 STERN



IX-522 PORT SIDE

IX-522 AFT MAIN DECK

IX-522 STARBOARD VIEW

IX-522 FWD MAINDECK

IX-522 CRANE HOUSE

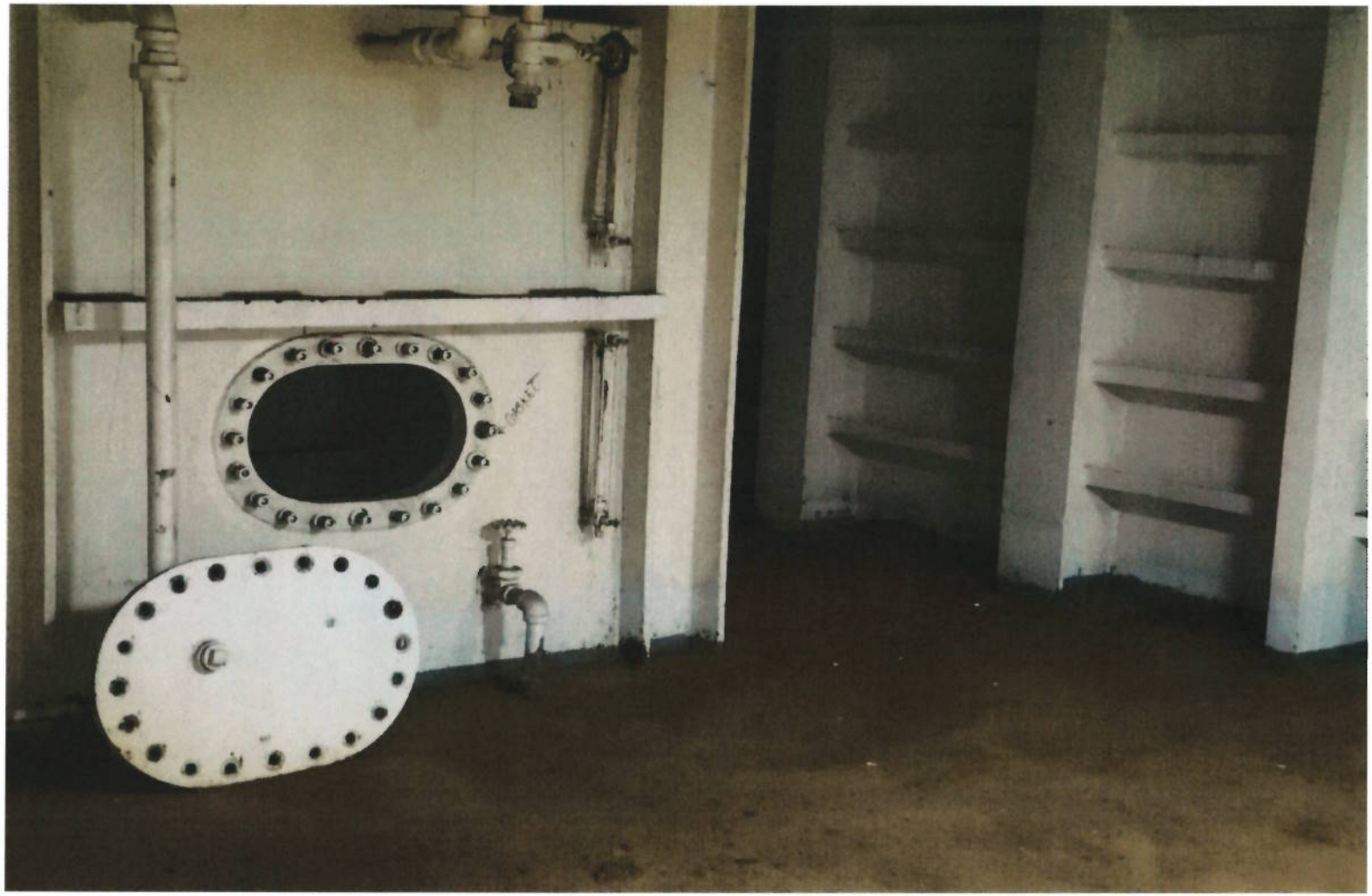
IX-522 2ND DECK

IX-522 2ND MID

IX-522 2ND MID

IX-522 FWD TANK

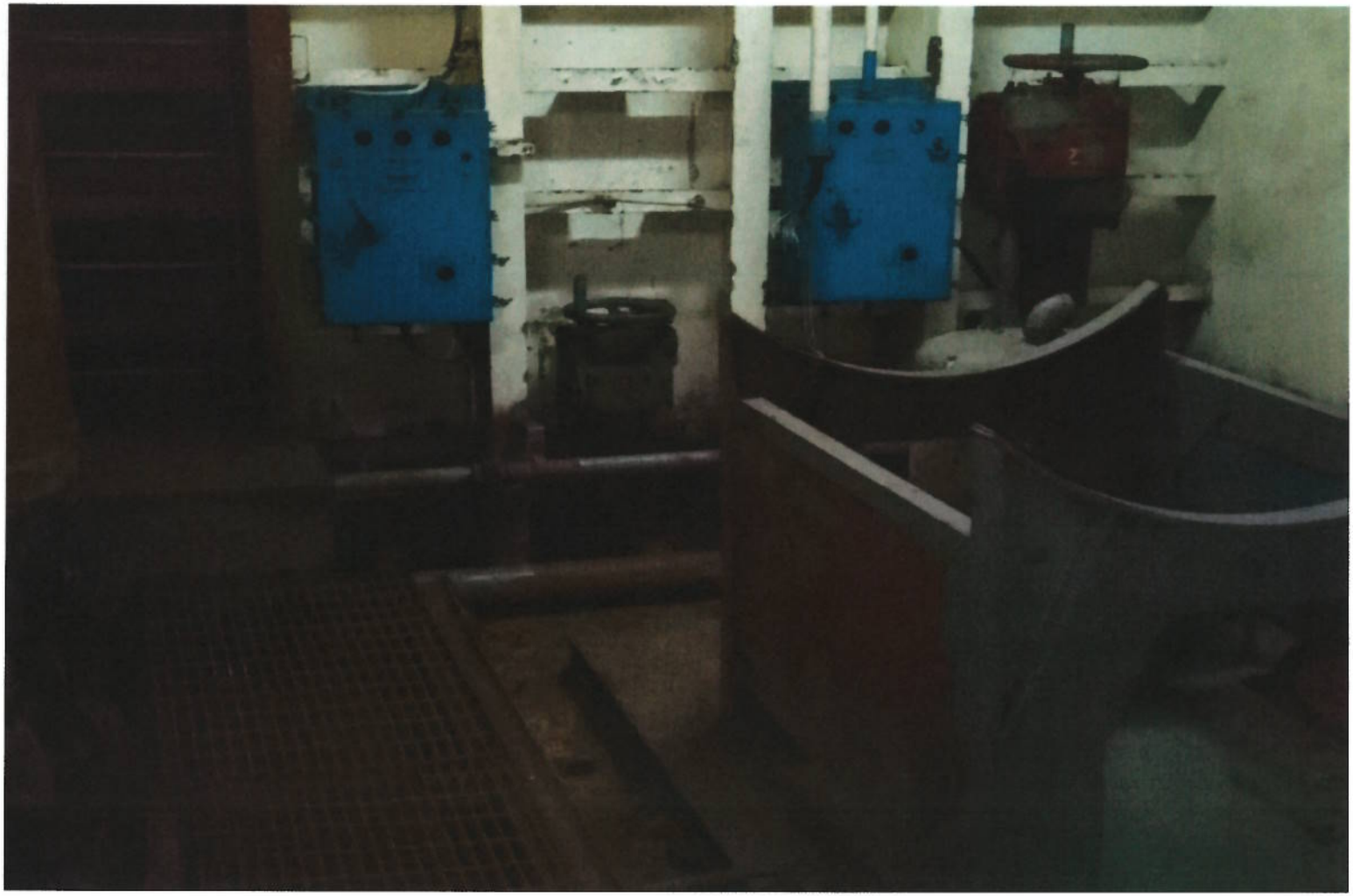
IX-522 AFT TANK



IX-522 2ND DECK RM

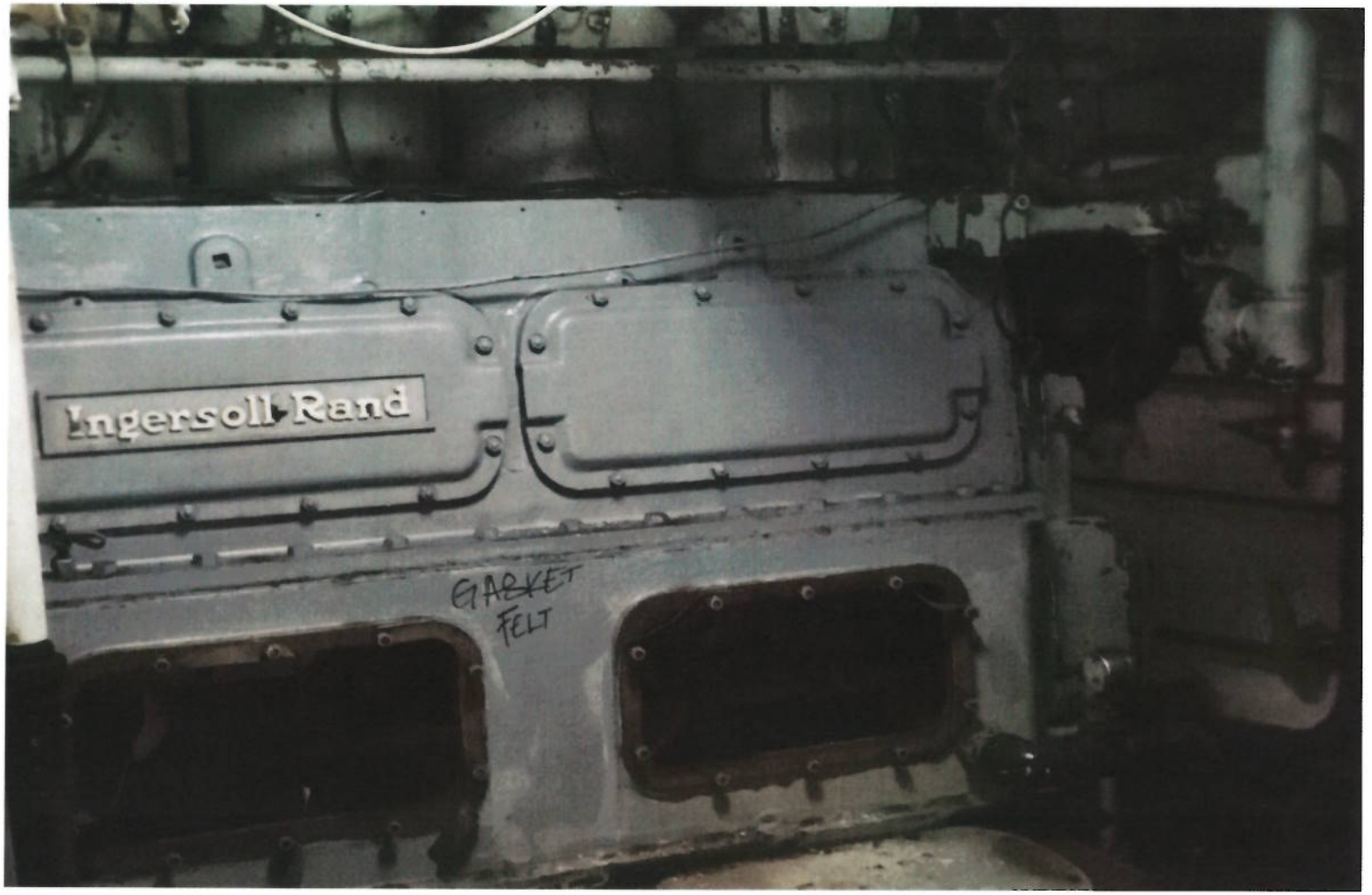
IX-522 2ND AFT PASSAGEWAY

Page 16 **IX-522 3RD DECK SWITCHBOARD** Enclosure (12)

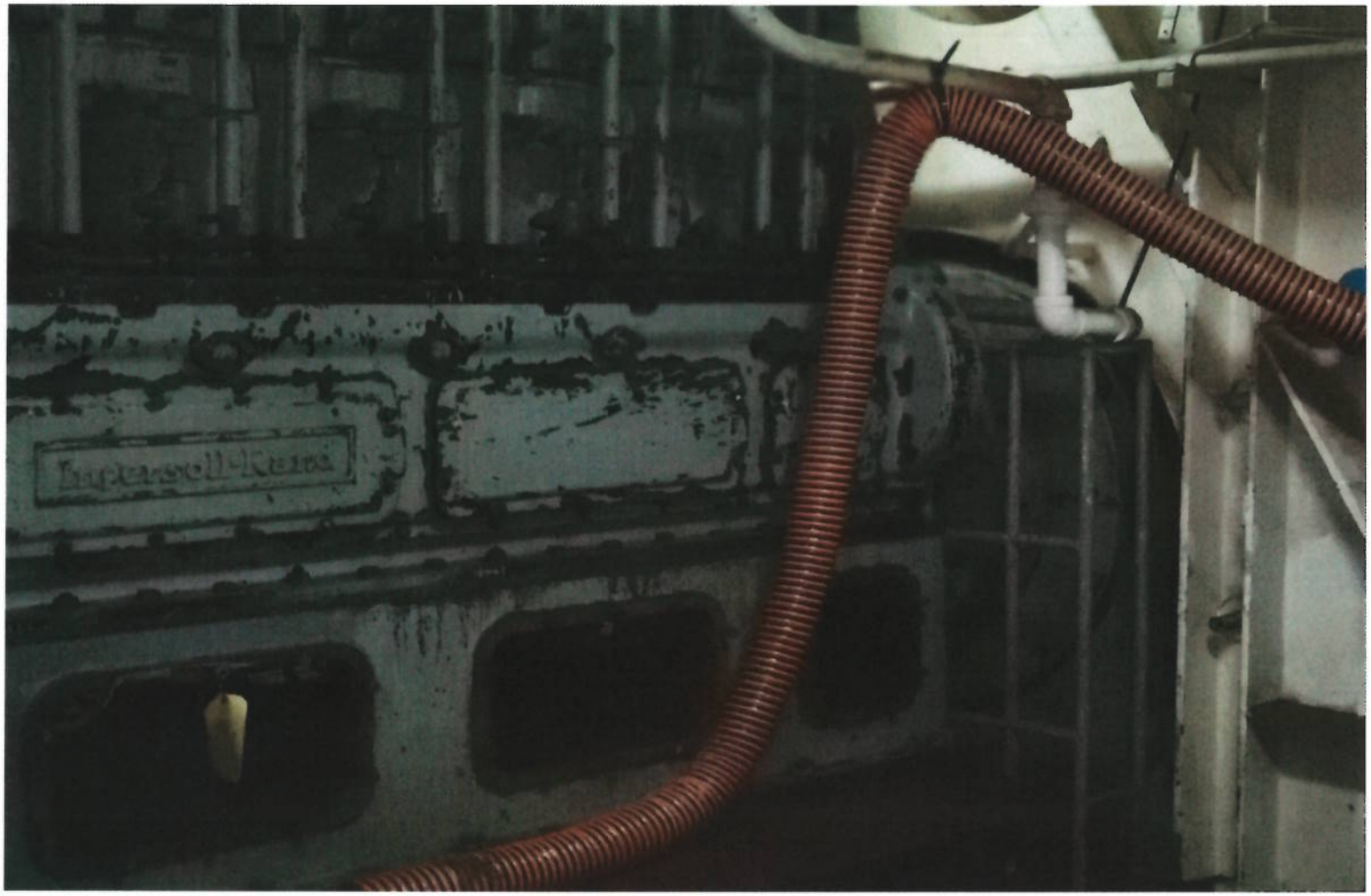


IX-522 PUMP CONTROL RM

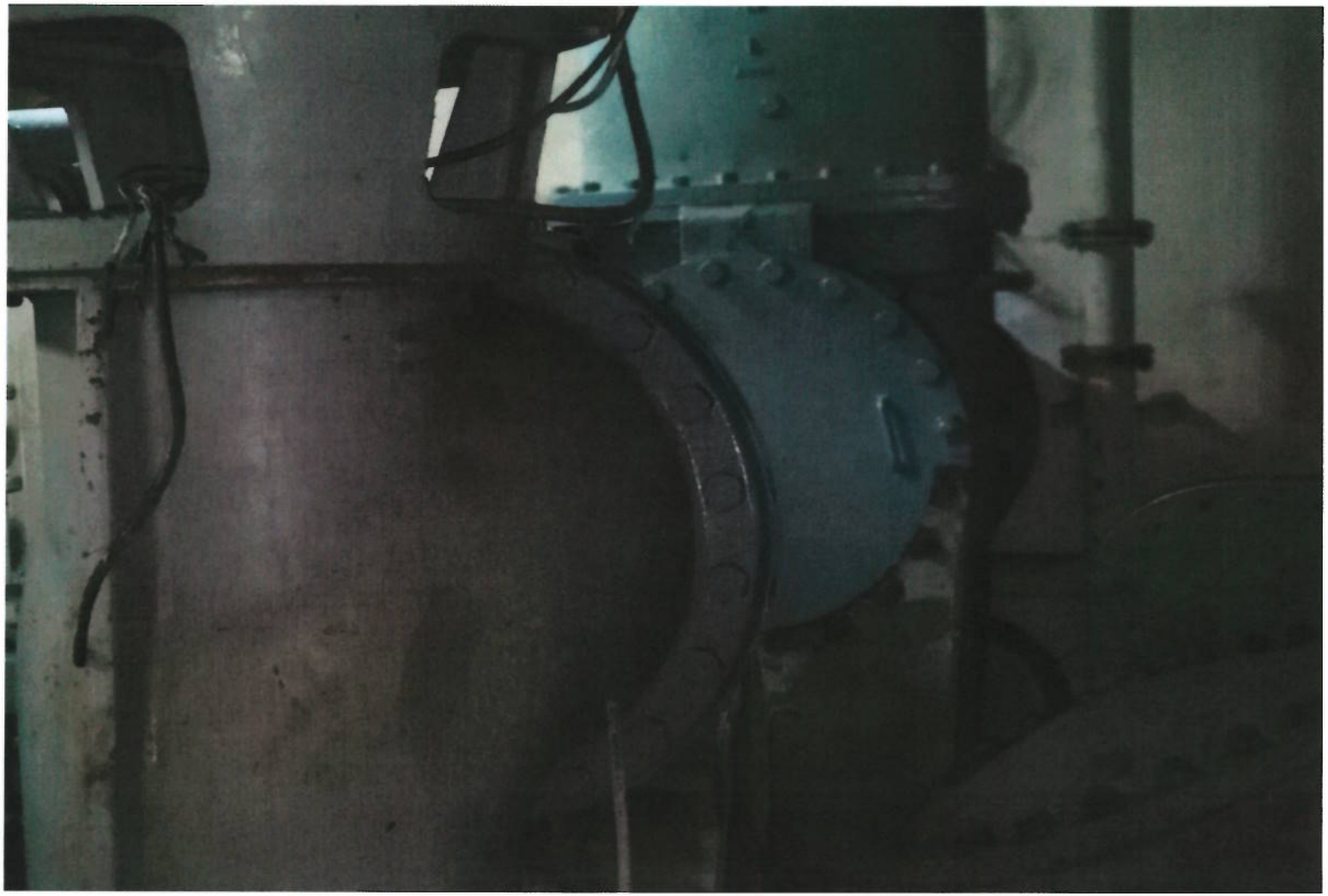
IX-522 3RD DECK BALLAST PUMP RM



IX-522 3RD DECK GEN MTR 1



Page 20 IX-522 3RD DECK GEN MTR 2 Enclosure (12)



Page 21 IX-522 3RD DECK BALLAST PUMP RM Enclosure (12)

IX-522 3RD DECK

 IX-522 2ND DECK FWD PASSAGEWAY

IX-522 2ND DECK XFORMER RM

Page 25 IX-522 3RD DECK SWITCHBOARD RM Enclosure (12)